



भारत सरकार Government of India
रेल मंत्रालय Ministry of Railways
(रेलवे बोर्ड Railway Board)



No. 2023/CE-I/GNS/4

New Delhi, Dated 22.05.2023

**The Principal Chief Engineers
All Zonal Railways**

Sub: Review the sanction strength of Track Maintainers – SSEs wise

Zonal Railway is requested to calculate the Track Maintainers strength – SSE wise, as per MCNTM (Manpower and Cost Norms for Track Maintenance) formulae in the enclosed sheet. The data may be collected as on 01.04.2023, total track kilometers and other relevant parameters with division. The above details must reach in this office not later than 05.06.2023 for further perusal of Board.

DA: As above (3 pages)

(Signature)
22.05.23
(गौरव)

निदेशक सिविल इंजी.(जी)/रेलवे बोर्ड
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Copy to:
The General Managers, All Zonal Railways

SAMPLE

Central Railway, Nagpur Division

Track Maintainer Strength Review - SSE wise

Total Track Km Length and Sanction Strength/On Roll Strength (Col. No. 18 & 19) as on 01.04.2023

Manpower Required for Activities M (For Legend pls ref p/92 of Report on Manpower Norms)

| S. N | Div | Sub Div Full Name | SSE Desgn . | Manpower Required for T Factor # | Manpower Required for R Factor # | M.1 | M.2 | M.3 | M.4 | M.5 | M.6 | M.7 | M.8 | Total Manpower Required for M Factor # |
|--------------|-----|-------------------|-------------|----------------------------------|----------------------------------|---|---|--|---|---|-------------------------------------|-----------------------|---------------------------------|--|
| | | | | | | Monsoon patrolling \sum (Dxbxsm) 1 to N | Hot weather patrolling of LWR track Lw x 30 | Cold weather patrolling of LWR track Lw x 12 | Watching vulnerable locations $\sum(s \times d)$ 1 to N | Gate keeping at level crossings $365 \times \sum s$ 1toN - 294xNg | Rest giving for keymen K(365 - 294) | Waterman duty N x 294 | Store-watchman duty N x 3 x 365 | |
| 1 | 2 | 3 | 4 | 6 | 7 | 8(i) | 8(ii) | 8(iii) | 8(iv) | 8(v) | 8(vi) | 8(vii) | 8(viii) | 8.00 |
| 1 | NGP | BZU | KQE | 71 | 66 | 12.41 | 9.88 | 3.95 | 17.14 | 18.64 | 3.38 | 7.00 | 7.48 | 79.88 |
| 2 | NGP | BZU | GDYA | 65 | 57 | 4.90 | 7.22 | 2.89 | 17.14 | 8.69 | 2.90 | 6.00 | 7.45 | 57.19 |
| | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | | | | 136 | 123 | 17 | 17 | 7 | 34 | 27 | 6 | 13 | 15 | 137 |

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SAMPLE


Manpower Required for Activities S (For Legend pls ref p/93 of Report on Manpower Norms)

| S.1 Tunnel mainte nance 1.2x0.2 94x∑ (l x r) 1 to N | S.2 Bridge substructure maintenance 1.1x0.294x∑ (b x r) | S.3 Long girder maintenance 0.64 x∑ (b x r) 1 to N | S.4 Extra maintenance due to very sharp curves, deep cutting and steep gradients Lc x 294 | S.5 Maintenance of track on extremely bad formation 0.6 x ∑ l 1 to N | S.6 Lookout man duty 294 ∑ v/g 1 to N | S.7 Fogsignal man duty Mf /3 | S.8 Filth removal from track f x 294 | S.9 Security patrollin g Ms /3 | S.10 Watching of waterlevel in suburban sections ∑ (s x d) 1 to N | Manpowe r Required for S Factor # |
|--|--|---|---|---|--|---------------------------------------|--|--|---|---|
| 9(i) | 9(ii) | 9(iii) | 9(iv) | 9(v) | 9(vi) | 9(vii) | 9(viii) | 9(ix) | 9(x) | 9.00 |
| 0.00 | 1.28 | 0.00 | 1.50 | 20.41 | 4.55 | 0.0 | 1.00 | 0.00 | 0.00 | 28.74 |
| 0.00 | 0.00 | 0.00 | 0.98 | 4.08 | 2.44 | 0.0 | 1.00 | 0.00 | 0.00 | 8.50 |
| - | - | - | - | - | - | - | - | - | - | - |
| 0 | 1 | 0 | 2 | 24 | 7 | 0 | 2 | 0 | 0 | 37 |

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SAMPLE

| Sum of col (6 to 9) | Mate Req. | Keyman Req. | Sanction Strength of Gatemen Including Leave Reserve | Trolleyman Req. | Sum of col (10,11,12 and 14) | Leave Reserve (12.5% of col(15) | Track Maintainer Req. (sum of col 13, 15 & 16) | Track maintainer Present Sanctioned Strength (Mate, Keyman, Gatemen, Trackmen & Trolleyman) as on 01.04.2023 | Present On-Roll Strength (01.04.2023) |
|---------------------|-----------|-------------|--|-----------------|------------------------------|---------------------------------|--|--|--|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 245.62 | 11 | 14 | 45.00 | 15.00 | 286 | 36 | 366 | 273 | 196 |
| 187.69 | 9 | 12 | 33.00 | 15.00 | 224 | 28 | 285 | 206 | 163 |
| - | - | - | - | - | - | - | - | - | - |
| 433 | 20 | 26 | 78 | 30 | 509 | 64 | 651 | 479 | 359 |


21.05.23